

# Why doesn't GetAddrInfo work from behind a proxy?

 [devblogs.microsoft.com/oldnewthing/20150916-00](http://devblogs.microsoft.com/oldnewthing/20150916-00)

September 16, 2015



Raymond Chen

A customer was having a problem with the `GetAddrInfo` function when running inside a corporate proxy environment.

We are trying to get the IP address of, say, `www.microsoft.com` by using the `GetAddrInfo` function. This works fine if the computer is not behind a proxy, but if it is run in a corporate proxy environment, the call fails with `WSAHOST_NOT_FOUND`.

The `GetAddrInfo` function operates at a level below proxies. When you have a Web proxy, the computer never actually talks to `www.microsoft.com` directly. Instead, you connect to the proxy and tell the proxy, “Please contact `www.microsoft.com` for me, thanks.” That’s why it’s called a “proxy”.

You never see the IP address of `www.microsoft.com`; the only IP address you see is that of the proxy. Besides, since you are inside a corporate proxy environment, even if you had the IP address for `www.microsoft.com`, it is if no use to you since you cannot connect to it.

There are products that try to smooth over this boundary, so that programs think that they are connected directly to the Internet when in fact they are talking through the proxy.

[Raymond Chen](#)

**Follow**

